

# **FUND 308**

## **PUBLIC WORKS CONSTRUCTION**

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### ***Board of Supervisors' Adjustments***

***The following funding adjustments reflect all changes to the FY 2003 Advertised Budget Plan, as approved by the Board of Supervisors on April 29, 2002:***

- ◆ The Board of Supervisors made no changes to the FY 2003 Advertised Budget Plan.

***The following funding adjustments reflect all approved changes to the FY 2002 Revised Budget Plan from January 1, 2002 through April 22, 2002. Included are all adjustments made as part of the FY 2002 Third Quarter Review:***

- ◆ The Board of Supervisors approved a net decrease of \$166,499 due primarily to a decrease of \$171,499 based on the completion of General Fund-supported projects and reductions necessary to offset budget requirements in FY 2002. This decrease is partially offset by an increase of \$5,000 to appropriate additional developer contributions received associated with streetlights in the McLean area.

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### ***County Executive Proposed FY 2003 Advertised Budget Plan***

#### **Purpose**

This fund supports ongoing improvement projects for storm drainage and stormwater discharge permit requirements, road maintenance, streetlight installations, and the Developer Default Program. Storm drainage projects include corrections to emergency drainage problems, water quality improvements, and environmental monitoring. Projects required by the Municipal Separate Storm Sewer System (MS4) discharge permit include water quality testing, watershed master planning, improvement programs, and development of the GIS-based storm sewer system inventory. The Perennial Streams Mapping program, is an effort to develop a base map of all stream channels in Fairfax County. The result will be a reliable map source depicting the stream network that distinguishes between perennial and intermittent streams, which will be included in the County's Geographic Information System.

The road maintenance and road upgrading projects provide for the upgrading of County roads for acceptance into the State Secondary System and the ongoing maintenance costs for those roads that are not currently included in the State Secondary System. In addition, the County participates with the Virginia Department of Transportation (VDOT) to benefit from the construction of trails and storm sewer infrastructure associated with roadway improvements by sharing in the cost of the VDOT project. Both parties execute the agreements in advance of construction and actual billing normally occurs after VDOT construction is complete.

The Citizen Petition Street Light Program provides residential lighting at locations justified and desired by residents. Approved locations are determined in consultation with the Fairfax County Police Department, based on nighttime crime rates and traffic safety. Street light petitions must meet pre-approved criteria and are presented annually to the Board of Supervisors for approval.

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The Developer Default Program is necessitated by economic conditions surrounding the construction industry which result in some developers not completing required public facilities including acceptance of roads by the State, walkways, and storm drainage improvements. The costs of providing these improvements may be offset by the receipt of developer default revenues from developer escrow and court judgements and/or compromise settlements. Projects that are constructed with anticipated developer default revenues are dependent on recovery of such revenue. General Fund support of the program is necessary due to the time required between the construction of the improvements and the recovery of the bonds through legal action or when the developer default revenue is not sufficient to fund the entire cost of the project. It should be noted that there is currently no significant unfunded backlog of developer default projects at this time.

### **FY 2003 Initiatives**

Funding in the amount of \$2,920,000 is included in Fund 308, Public Works Construction, in FY 2003. FY 2003 funding includes \$300,000 supported by Developer Default revenues and \$2,620,000 supported by State revenues. A list of projects is included in the Summary of Capital Projects.

### **Funding Adjustments**

*The following funding adjustments reflect all approved changes to the FY2002 Revised Budget Plan since passage of the FY 2002 Adopted Budget Plan. Included are all adjustments made as part of the FY 2001 Carryover Review and all other approved changes through December 31, 2001.*

- ◆ At the *FY 2001 Carryover Review*, the Board of Supervisors approved an increase of \$11,297,574 due to the carryover of unexpended project balances in the amount of \$10,756,574 and the appropriation of revenues in the amount of \$100,000 from the Environmental Protection Agency Wetland Program grant associated with Countywide Stormwater Control Planning. In addition, the Board of Supervisors approved \$341,000 for critical storm drainage projects and \$100,000 to begin the Perennial Stream Mapping Program.

A Fund Statement, a Summary of Capital Projects, and Project Detail Tables for each project funded in FY 2003 are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing" projects or projects for which funding is necessary on an ongoing basis (e.g., contingency or planning project). The Project Detail tables include project location, description, source of funding, and completion schedules.

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## FUND STATEMENT

Fund Type G30, Capital Project Funds

Fund 308, Public Works Construction

	FY 2001 Actual	FY 2002 Adopted Budget Plan	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
<b>Beginning Balance</b>	<b>\$9,610,583</b>	<b>\$0</b>	<b>\$10,191,145</b>	<b>\$0</b>	<b>\$0</b>
Revenue:					
Developer Payments- Streetlights <sup>1</sup>	\$0	\$0	\$31,104	\$0	\$0
Hunter Mill Streetlight Contributions	0	0	95,000	0	0
Developer Defaults <sup>2</sup>	262,927	300,000	748,945	300,000	300,000
Miscellaneous <sup>3</sup>	595	0	0	0	0
Federal Aid <sup>4</sup>	10,000	0	90,000	0	0
State Aid	2,562,776	1,085,224	1,085,224	2,620,000	2,620,000
<b>Total Revenue</b>	<b>\$2,836,298</b>	<b>\$1,385,224</b>	<b>\$2,050,273</b>	<b>\$2,920,000</b>	<b>\$2,920,000</b>
Transfer In:					
General Fund (001)	\$903,724	\$580,776	\$850,277	\$0	\$0
<b>Total Transfer In</b>	<b>\$903,724</b>	<b>\$580,776</b>	<b>\$850,277</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Available</b>	<b>\$13,350,605</b>	<b>\$1,966,000</b>	<b>\$13,091,695</b>	<b>\$2,920,000</b>	<b>\$2,920,000</b>
Total Expenditures <sup>5</sup>	\$3,159,460	\$1,966,000	\$13,091,695	\$2,920,000	\$2,920,000
<b>Total Disbursements</b>	<b>\$3,159,460</b>	<b>\$1,966,000</b>	<b>\$13,091,695</b>	<b>\$2,920,000</b>	<b>\$2,920,000</b>
<b>Ending Balance</b>	<b>\$10,191,145</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<sup>1</sup> Developer Payments for Project Z00002, Developer Streetlight Program.

<sup>2</sup> Includes developer default revenues.

<sup>3</sup> Miscellaneous receipts include sale of plans and anticipated VDOT contributions for the Board of Road Viewer Program.

<sup>4</sup> Represents revenue received from the Environmental Protection Agency Wetlands Grant Program associated with Project Z00020, Stormwater Control Planning.

<sup>5</sup> In order to account for revenues and expenditures in the proper fiscal year, an audit adjustment in the amount of \$5,380 has been reflected as a decrease to FY 2001 expenditures. The project affected by this adjustment is Project L00034, Kingstowne Monitoring Program. The audit adjustment has been included in the FY 2001 Comprehensive Annual Financial Report (CAFR). Details of the FY 2001 audit adjustments were included in the FY 2002 Third Quarter Package.

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### FY 2003 Summary of Capital Projects

**Fund: 308 Public Works Construction**

Project #	Description	Total Project Estimate	FY 2001 Actual Expenditures	FY 2002 Revised Budget	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
A00002	Emergency Watershed Imp		\$89,182.03	\$277,261.52	\$95,000	\$95,000
B00012	Geotechnical Studies		0.00	3,129.68	0	0
I00219	Parklawn Recreation Association	15,000	0.00	15,000.00	0	0
L00034	Kingstowne Monitoring Program		123,415.25	255,584.93	150,000	150,000
M00075	Langhorne Acres	254,509	168,188.99	5,336.53	0	0
N00095	Dam Improvements And Inspections		57,817.74	20,927.86	0	0
N00096	Dam Repairs		598,946.48	2,599,696.18	500,000	500,000
U00005	Secondary Monumentation		0.00	61,500.00	0	0
U00006	Developer Defaults		589,753.68	1,687,240.45	400,000	400,000
U00100	VDOT Participation Projects		0.00	1,199,826.17	0	0
V00000	Road Viewer Projects		471.02	359,641.50	50,000	50,000
V00001	Road Maintenance Program		38,554.40	268,974.74	50,000	50,000
Z00001	Street Lights		445,796.68	1,969,680.12	0	0
Z00002	Developer Street Light Program		(7,724.82)	43,551.43	0	0
Z00007	Fund 308 Contingency		0.00	4,382.00	0	0
Z00008	NPDES Program		135,799.00	0.00	0	0
Z00013	Graffiti Abatement		181.30	25,385.40	0	0
Z00015	Hunter Mill District St Light Fund	95,000	0.00	95,000.00	0	0
Z00016	Minor Street Light Upgrades		5,051.00	19,123.00	0	0
Z00017	Stormwater Utility Program	355,000	269.48	20,297.25	0	0
Z00018	Storm Drainage Projects		497,776.42	2,581,226.62	0	0
Z00019	Countywide Stream Protection Study		321,857.09	34,520.34	0	0
Z00020	Stormwater Control Planning	320,000	94,123.79	225,876.21	0	0
Z00021	Perennial Stream Mapping	175,000	0.00	100,000.00	75,000	75,000
Z00022	Municipal Separate Storm Sewer System	2,818,533	0.00	1,218,533.00	1,600,000	1,600,000
<b>Total</b>		<b>\$4,033,042</b>	<b>\$3,159,459.53</b>	<b>\$13,091,694.93</b>	<b>\$2,920,000</b>	<b>\$2,920,000</b>

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## PUBLIC WORKS CONSTRUCTION

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<b>A00002</b>	<b>Emergency Watershed Improvements</b>
Countywide	Countywide
<p>These funds are used Countywide for the correction of emergency drainage problems. This project (both engineering studies and construction) will alleviate flooding problems of a recurring or emergency nature, and due to their emergency nature cannot be identified in advance. FY 2003 funding in the amount of \$95,000 is included to alleviate small-scale emergency problems during the fiscal year.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition		\$105,783	\$8,367	\$0	\$0	\$0	\$0
Design and Engineering		1,288,318	78,742	14,573	0	0	0
Construction		1,499,613	0	212,138	95,000	95,000	0
Other		56,806	2,073	50,551	0	0	0
Total	Continuing	\$2,950,521	\$89,182	\$277,262	<b>\$95,000</b>	<b>\$95,000</b>	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$95,000	\$95,000

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## PUBLIC WORKS CONSTRUCTION

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<b>L00034</b>	<b>Kingstowne Environmental Monitoring Program</b>
Kingstowne Development/Huntley Meadows Park	Lee
<p>These funds are used to support the Kingstowne Environmental Monitoring program, which was established by the Board of Supervisors in June 1985 and is intended to continue until completion of the Kingstowne Development. In FY 2002 the program was expanded to include the water quality monitoring requirements required by the U.S. Army Corps of Engineers for the development of the South Van Dorn Street extension. FY 2003 funding in the amount of \$150,000 is included to continue monitoring efforts.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		1,198,008	123,415	255,585	150,000	150,000	0
Construction		0	0	0	0	0	0
Other		980	0	0	0	0	0
<b>Total</b>	<b>Continuing</b>	<b>\$1,198,988</b>	<b>\$123,415</b>	<b>\$255,585</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$0</b>

<b>Source of Funding</b>				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$150,000	\$150,000

# FUND 308

## PUBLIC WORKS CONSTRUCTION

<b>N00096</b>	<b>Dam Repairs</b>
Countywide	Countywide
<p>This project funds improvements necessary to meet State permit requirements, establish a monitoring program to assess dam integrity, and implement dam repairs. The Virginia Department of Conservation and Recreation has classified the six dams maintained by the County as a Class I hazard potential. Class I dams are noted in the <u>Virginia Dam Safety Regulations</u> as "those located where failure will cause probable loss of life or serious damage to occupied buildings, industrial or commercial facilities, important public utilities, main highways or roads." In order to obtain the required permit certification for Class I dams, the County must perform inspections of all dams and begin to address safety improvements. This project also funds repair of failed detention pond enhancements, which fall beyond the scope of maintenance. FY 2003 funding in the amount of \$500,000 is included for conducting inspections, monitoring, and repairing dams and emergency spillways.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition		\$639	\$13,192	\$0	\$0	\$0	\$0
Design and Engineering		61,352	204,465	30,870	0	0	0
Construction		457	374,669	2,568,826	500,000	500,000	0
Other		2,125	6,620	0	0	0	0
<b>Total</b>	Continuing	<b>\$64,572</b>	<b>\$598,946</b>	<b>\$2,599,696</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$500,000	\$500,000

# FUND 308

## PUBLIC WORKS CONSTRUCTION

<b>U00006</b>	<b>Developer Defaults</b>
Countywide	Countywide
<p>This project is necessitated by economic conditions surrounding the construction industry that result in some developers not completing required public facilities, including acceptance of roads by the State, walkways, and storm drainage improvements. The costs of construction are specifically defined upon receipt of projects, punch lists, and estimates from the Department of Public Works and Environmental Services. The receipt of monies from developer escrow and court judgements and/or compromise settlements may offset these costs. FY 2003 funding in the amount of \$400,000 is included for construction of developer default projects of which \$300,000 is funded by developer default revenues and \$100,000 is supported by the General Fund. Projects to be constructed with anticipated developer default revenue of \$300,000 will be dependent on specific default project revenue recovery. General Fund monies of \$100,000 will be used to support developer default projects which are identified throughout the fiscal year. There is currently no significant unfunded backlog of developer default projects.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition		\$293,294	\$7,152	\$33,978	\$7,000	\$7,000	\$0
Design and Engineering		2,895,755	236,196	130,249	104,000	104,000	0
Construction		10,747,569	337,949	1,459,208	282,000	282,000	0
Other		403,721	8,457	63,806	7,000	7,000	0
Total	Continuing	\$14,340,339	\$589,754	\$1,687,240	<b>\$400,000</b>	<b>\$400,000</b>	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$400,000	\$400,000



# FUND 308

## PUBLIC WORKS CONSTRUCTION

<b>V00000</b>	<b>Road Viewer Program</b>
Countywide	Countywide
<p>This project provides for the upgrading of roads for acceptance into the State Secondary Road System. Funding provides for survey, engineering, and road construction of projects in the Board of Road Viewers Program. Once improvements are funded and completed, the need for ongoing County maintenance work on the roadway is eliminated. The Board of Road Viewers Program is enabled under the Code of Virginia and was adopted by the Board of Supervisors. FY 2003 funding in the amount of \$50,000 is included to continue upgrading roads for acceptance into State Secondary Road System.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition		\$170,060	\$0	\$34,397	\$5,000	\$5,000	\$0
Design and Engineering		584,412	471	91,908	25,000	25,000	0
Construction		1,496,163	0	174,433	5,000	5,000	0
Other		125,983	0	58,903	15,000	15,000	0
<b>Total</b>	Continuing	<b>\$2,376,617</b>	<b>\$471</b>	<b>\$359,642</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$50,000	\$50,000

# FUND 308

## PUBLIC WORKS CONSTRUCTION

<b>V00001</b>	<b>Road Maintenance Program</b>
Countywide	Countywide
<p>This project provides funding for maintenance of the roads in Fairfax County not currently included in the Virginia Department of Transportation (VDOT) Secondary Road System. The goal of this program is to ensure the safe operation of motor vehicles through maintenance of these existing County travelways. The State law (Section 33.1-225.3) permits Fairfax County to expend funds on roadway maintenance and minor improvements on roads not within the State Secondary Road System, provided such roads have a right-of-way of 15 feet minimum dedicated to public use. The maximum amount of mileage to be maintained under the State law shall not exceed 30 miles per year. Currently, 53 roads are included in the County program, having a total length of 4.42 miles. Maintenance work includes but is not limited to grading snow and ice control, replacement of substandard materials, patching of existing travelways, minor ditching, and stabilization of shoulders, slopes, and drainage facilities. FY 2003 funding in the amount of \$50,000 is included for continued road maintenance.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land							
Acquisition		\$229,000	\$478	\$12,292	\$7,000	\$7,000	\$0
Design and Engineering		812,604	22,160	38,437	30,000	30,000	0
Construction		1,722,624	11,901	196,296	5,000	5,000	0
Other		90,171	4,015	21,950	8,000	8,000	0
<b>Total</b>	Continuing	<b>\$2,854,400</b>	<b>\$38,554</b>	<b>\$268,975</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$50,000	\$50,000

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## PUBLIC WORKS CONSTRUCTION

<b>Z00021</b>	<b>Perennial Stream Mapping</b>	
Countywide		Countywide
This project provides funding for the Perennial Streams Mapping Program, an effort to develop a base map of all stream channels in Fairfax County. The result will be a reliable map source depicting the stream network that distinguishes between perennial and intermittent streams, which will also be included in the County's Geographic Information System. FY 2003 funding in the amount of \$75,000 is included for the continuation of this project.		

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering	0	0	0	0	0	0	0
Construction	175,000	0	0	100,000	75,000	75,000	0
Other	0	0	0	0	0	0	0
<b>Total</b>	<b>\$175,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$75,000</b>	<b>\$75,000</b>	<b>\$0</b>

<b>Source of Funding</b>				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$75,000	\$75,000

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## PUBLIC WORKS CONSTRUCTION

<b>Z00022</b>	<b>Municipal Separate Storm Sewer System</b>
Countywide	Countywide
<p>This project provides funding for the activities associated with the Virginia Pollutant Discharge Elimination System (VPDES) Municipal Separate Storm Sewer System (MS4) discharge permit, which is required as part of the Clean Water Act amendments of 1987, and mandates implementation of a water quality management program. The MS4 discharge permit is considered a renewal of the National Pollutant Discharge Elimination System (NPDES) permit, and will last for five years. In accordance with the permit renewal submission approved by the Board of Supervisors on July 23, 2001, activities will include water quality testing, watershed master planning, improvement programs, and development of the GIS-based storm sewer system inventory. The Virginia Department of Environmental Quality (DEQ) is expected to make a decision regarding final permit requirements in early FY 2002. Meanwhile, FY 2003 funding in the amount of \$1,600,000 is included for this project. Permit renewal is also impacted by other State and Federal mandates, including Total Maximum Daily Loads, the Chesapeake 2000 Agreement, and the Virginia Tributary Strategies.</p>	

	Total Project Estimate	Prior Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering	2,818,533	0	0	1,218,533	1,600,000	1,600,000	0
Construction	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
<b>Total</b>	<b>\$2,818,533</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,218,533</b>	<b>\$1,600,000</b>	<b>\$1,600,000</b>	<b>\$0</b>

<b>Source of Funding</b>				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$1,600,000	\$1,600,000